

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

on May 10, 2004

Glenn P. Ladwig
Glenn P. Ladwig, Patent Attorney

INFORMATION DISCLOSURE
STATEMENT

Examining Group 1614
Patent Application
Docket No. UF-304XC2
Serial No. 10/691,002



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1614
Applicants : Laurie B. Gower, Matthew J. Olszta, Elliot P. Douglas,
Sivakumar Munisamy, Donna L. Wheeler
Serial No. : 10/691,002
Filed : October 22, 2003
Conf. No. : 5666
For : Biomimetic Organic/Inorganic Composites, Processes for Their Production,
and Methods of Use

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§1.97 AND 1.98

Sir:

In accordance with 37 CFR §1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the examiner for consideration in connection with the examination of the above-identified patent application. Copies of the foreign patents and non-patent publications cited are enclosed.

The applicants respectfully assert that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,

Glenn P. Ladwig

Glenn P. Ladwig
Patent Attorney

Registration No. 46,853

Phone No.: 352-375-8100

Fax No.: 352-372-5800

Address: 2421 N.W. 41st Street, Suite A-1
Gainesville, FL 32606-6669

GPL/mv

Attachments: Form PTO/SB/08 (2 pages); copies of some references cited therein

J:\UF304XC2\PTO\SIDS.pto.doc\IDS4/mv



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/691,002	
			Filing Date	October 22, 2003	
			First Named Inventor	Laurie B. Gower	
			Art Unit	1614	
Examiner Name					
Sheet	1	of	2	Attorney Docket Number	UF-304XC2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-6,627,170 B2	09-30-2003	Takahashi et al.	All
	U2	US-6,592,712 B2	07-15-2003	Koukoulas et al.	All
	U3	US-6,190,633 B1	02-20-2001	Takahashi et al.	All
	U4	US-6,071,336	06-06-2000	Fairchild et al.	All
	U5	US-5,593,488	01-14-1997	Wu	All
	U6	US-5,147,507	09-15-1992	Gill	All
	U7	US-2004/0020410 A1	02-05-2004	Gane et al.	All
	U8	US-2003/0094252 A1	05-22-2003	Sundar et al.	All
	U9	US-2003/0059362 A1	03-27-2003	Takahashi et al.	All
	U10	US-10/819,040	04-05-2004	Gower et al. (patent application)	All
	U11				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ - Kind Code ⁵ (if known)			
	F1		EP 0 143 363 B1	06-05-1985	Wacker Chemie GMBH	All
	F2		WO 03/089022 A1	10-30-2003	Univ. of Florida	All
	F3					
	F4					
	F7					

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/691,002	
			Filing Date	October 22, 2003	
			First Named Inventor	Laurie B. Gower	
			Group Art Unit	1614	
			Examiner Name		
Sheet	2	of	2	Attorney Docket Number	UF-304XC2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R1	GOWER, L. <i>et al.</i> "The influence of templates on mineralization via a precursor process" presented August 12, 2002 at Gordon Research Conference (GRC), New London, New Hampshire.	
	R2	GOWER, L. <i>et al.</i> "Biomimetic bone" presented at ACERS 28 th Int. Cocoa Beach Conference on Advanced Ceramics and Composites, January 28, 2004, Cocoa Beach, FL.	
	R3	GOWER, L. "Biomimetic processing of ceramic composites" presented at CIMTEC-10th International Ceramics Congress and 3rd Forum on New Materials, July 14-18, 2002, Florence, Italy.	
	R4	GOWER, L. "A new paradigm for biomineral formation" presented at 7 th Int. Conf.-The Chemistry and Biology of Mineralized Tissues, November 4-9, 2001, Sawgrass, FL.	
	R5	LEE, I. <i>et al.</i> "Nanoparticle-directed crystallization of calcium carbonate" <i>Adv. Mater.</i> , 2001, 12(21):1617-1620.	
	R6	OLSZTA, M.J. <i>et al.</i> "Synthesis of nano-fibrous CaCO ₃ through a solution-precursor-solid (SPS) process" presented April 7, 2003 at Materials Research Society (MRS) Spring Meeting, San Francisco, California.	
	R7	OLSZTA, M.J. and L. GOWER "Biomimetic composites using a polymer-induced liquid-precursor (PILP) process" presented June 2002 at Annual Society for Experimental Mechanics (SEM) meeting, Milwaukee, Wisconsin.	
	R8	OLSZTA, M.J. <i>et al.</i> "Scanning electron microscopic analysis of the mineralization of type I collagen via a polymer-induced liquid-precursor (PILP) process" <i>Calcif. Tissue Int.</i> , 2003, 72(5):583-591, Epub date March 6, 2003.	
	R9	OLSZTA, M.J. "Biomimetic mineralization of type-I collagen" presented at 7 th Int. Conf.-The Chemistry and Biology of Mineralized Tissues, November 4-9, 2001, Sawgrass, FL.	
	R10	OLSZTA, M.J. <i>et al.</i> "Mimicking the nanostructured architecture of bone" presented at Fall Materials Research Society (MRS), Session L: Continuous Nanophase and Nanostructured Materials, December 1-5, 2003, Boston, MA.	
	R11	OLSZTA, M.J. "Biomimetic mineralization of type-I collagen" presented at UEF Biomimetic Engineering Conference, March 3-7, 2002, Destin, FL.	
	R12	OLSZTA, M.J. <i>et al.</i> "Biomimetic mineralization of type I collagenous matrices" presented at MRS Spring Meeting Proceedings, Symposium O-Materials Inspired by Biology, April 21-25, 2003, San Francisco, CA.	
	R13		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.